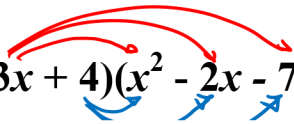


Name: _____

Date: _____

Math 10F&PC Chapter 3 Factors and Products**3.7 – Multiplying Polynomials*****Focus:*** Extend the strategies for multiplying binomials to multiplying polynomials.**Example 1:** Use an area model to determine the product

a) $(3x + \underline{5})(x^2 + 3x + 4)$

b) $(3x + 4)(x^2 - 2x - 7)$


Use a different strategy to check the products.**Expand and Simplify:** (Polynomials with ONE variable)

The distributive property can be used to perform any polynomial multiplication. Each term of one polynomial must be multiplied by each term of the other polynomial.

a) $(3x + 5)(x^2 + 3x + 4)$

✓ b) $(3x + 4)(x^2 - 2x - 7)$